

Ms4 Interdepartmental Coordination

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City of Grand Forks, ND

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Who is responsible for Ms4 Regulations?

Engineering- Inspections

Planning

Information Center- Public Health

Public Works- Streets & Stormwater

Coordination/Communication

- Regional Coordination- EERC Consortium
- Local- Quarterly Coordination Meetings are held
 - Discussions and follow up meetings occur to address issues brought forward by the staff
 - Representatives of all impacted departments are asked to attend
- Data Collection- Analysis & Reporting
 - Houston Engineering just provided a demo for compliance tracking software which offers a collaborative comprehensive data collection of new projects, maintenance activities- outfall inspections & street sweeping schedules, public awareness events



Outfall Inspection Record

Create a detailed outfall inspection record report.

City of Springfield

Minimum Control Measure 3 – Illicit Discharge Detection and Elimination

Individual Outfall Inspection Record

From: 01/01/2012 To: 0/31/2012

Outfall Inspection Details

Outfall Name: *OUTFALL-005*

Inspection Date: *3-23-2012*

Is there discharge during the dry-weather inspection? *No*

Are there actions that need to be taken to follow the Outfall Inspection SOP? *No*

Are emergency response measures needed? *No*

Comments: *Outfall was not discharging during the dry-weather inspection*

Photographs

Outfall Inspection Worksheet

Background

Permittee: Date: Time:

Inspector: Predominant Watershed Landuse:

Outfall Location: (Latitude) (Longitude)

Address:

Outfall Number:

Date Outfall Last Inspected by Permittee:

Days Since Last Rainfall: Inches:

Photos Taken? Yes No Photo #s:

Drainage Area: Red River English Coulee Diversion
 English Coulee S.E. Drainway

Outfall Description

End of Pipe Diameter (feet/inches): <input type="text" value="15"/>	Outfall Submerged: <input type="text" value="Yes"/>	Pipe Material: <input checked="" type="checkbox"/> Concrete <input type="checkbox"/> PVC <input type="checkbox"/> Steel <input type="checkbox"/> Other: <input type="text"/>	Pipe Condition: <input checked="" type="checkbox"/> Good <input type="checkbox"/> Fair <input type="checkbox"/> Poor Describe: <input type="text"/>
Open Channel? <input type="text" value="Yes"/>	If yes, in <input checked="" type="checkbox"/> Water <input type="checkbox"/> Fully <input type="checkbox"/> Partially <input type="checkbox"/> Sediment <input type="checkbox"/> Fullv		
Shape: <input checked="" type="checkbox"/> Circular <input type="checkbox"/> Elliptical <input type="checkbox"/> Box			



Outfall Info

Enter an outfall inspection record and document illicit discharges and other observations.

Springfield
MS4 Permit Manager

Log Out quick search

Outfall Inventory | Outfall Info | Inspections | **Inspection Info** | Responses | Response Info | Map | Reports

Inspection Date: 2/15/2012 *Setup customized checklist questions*

Inspection Checklist	Comments
Is there discharge during the dry-weather inspection?	<input type="radio"/> Yes <input checked="" type="radio"/> No
Are there actions that need to be taken to follow the Outfall Inspection SOP?	<input type="radio"/> Yes <input checked="" type="radio"/> No
Are Emergency Response measures needed?	<input type="radio"/> Yes <input checked="" type="radio"/> No

Inspection Comments

Photographs

Delete *Attach photos to an inspection*

Enter comments and observations

MS4 Permit Manager - Springfield

ms4.houstoneng.net/secure/

Springfield MS4 Permit Manager

Log Out

quick search

Navigation tree

- Administrative Settings
 - Basic Information
 - User Roles
 - Email Reminders
 - Manage Letter Templates
 - Map Settings
- Manage SWMP Program
- Mapping and Inventory
 - Outfalls
 - Stormwater Treatment BMPs
 - Pond-Wetland-Waterbody Inventory
 - Stormwater Conveyance Features
- Minimum Control Measures
 - Public Education and Outreach
 - Public Education and Outreach
 - Public Participation/Involvement
 - Public Participation/Involvement
 - Illicit Discharge Detection and Elimination
 - Illicit Discharge Detection and Elimination
 - Construction Stormwater
 - Construction Stormwater
 - Post-construction Stormwater
 - Post-construction Stormwater
 - Pollution Prevention/Good Housekeeping
 - BMP Inspection and Maintenance
 - Stockpile and Material Handling Inspections
 - Pond and Wetland Assessments
 - Employee Training
 - Non-structural BMPs
- Reporting
 - Annual Reports
 - SWMP Activity Reports
- TMDLs
 - TMDL WLA
 - Water Quality Monitoring
 - Implementation Tracking for Structural BMPs
 - Implementation Tracking for Non-structural BMPs

Go to Map	MCM 6 - Pond and Wetland Assessments	Regulatory Mechanisms
MCM 1 - Public Education and Outreach	MCM 6 - Non-structural BMPs	Enforcement Response Procedures
MCM 2 - Public Participation and Involvement	MCM 6 - Employee Training	Partnerships
MCM 3 - Illicit Discharge Detection and Elimination	Annual Report	TMDL WLAs
MCM 4 - Construction Stormwater Runoff Program	Manage Email Reminders	Water Quality Monitoring
MCM 5 - Post Construction Stormwater Runoff Program	Reporting	Structural BMP Pollutant Reduction Estimates
MCM 6 - Stormwater BMP Inspection and Maintenance	Import/Export Data	Non-structural BMP Pollutant Reduction Estimates
MCM 6 - Stockpile and Material Handling Facility Inspections	Standard Operating Procedures	TMDL WLA Implementation Assessments and Reports

Navigation buttons



Construction Stormwater Permit Information

Store information on the permit and contact info

Springfield
MS4 Permit Manager

Permits List | **Permit Info** | Contact Info | Review | ESC BMPs | ESC BMP Info | Public Input | Public Input Info | Inspections | Inspection Info | Enforcements | Enforcement Info | Map | Reports

Permit Number	2012-2
Permit Name	Bluebird Subdivision
Site Address	57 Front Street
X Coordinate	-93.480236007883
Y Coordinate	45.065040085714
Application Date	1/2/2012
Permit Issuance Date	3/2/2012
Permit Expiration Date	3/2/2013
Disturbed Area	40
Project Description	develop lots for housing development including streets and utilities for 8 lots.
NPDES Permit No.	987654

Map inset shows you where the permit is

Permit and contact info

Map inset shows you where the permit is

Educational Opportunities

- SWPP Guide for New Homeowners
- Door Hangers used in areas to help educate where illegal dumpings are occurring
- Annual Letters to Landscaping/Mowing Contractors
 - Coordinate the educational material about Yard Waste Container Locations
- Place signs near detention ponds
- Interactive Display – use for events like Super Science Sunday & Earth Day Workshops

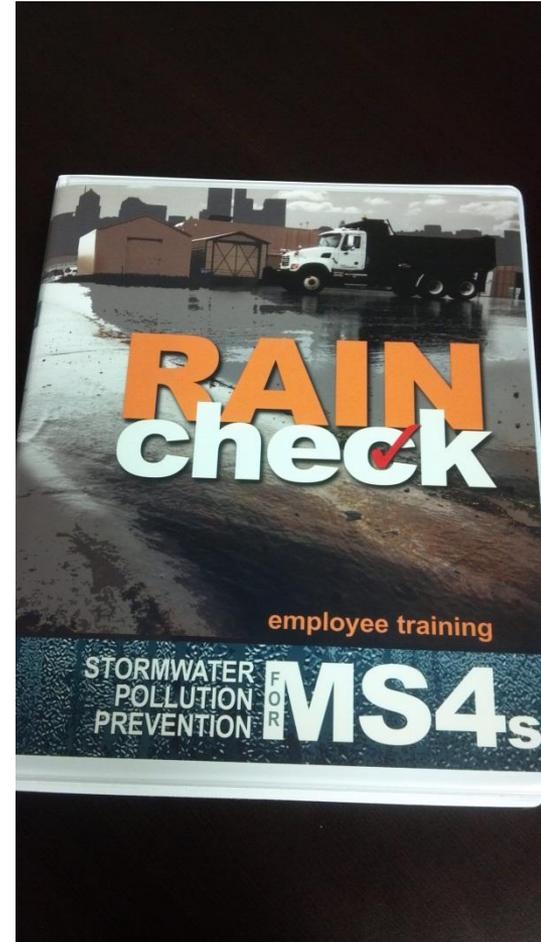
Interactive Display

- Use for events like Super Science Sunday & Earth Day Workshops
- Sponge Bob and friends visit the City of Ooze and teach students about Storm Water Pollution Prevention techniques that they can apply in their own

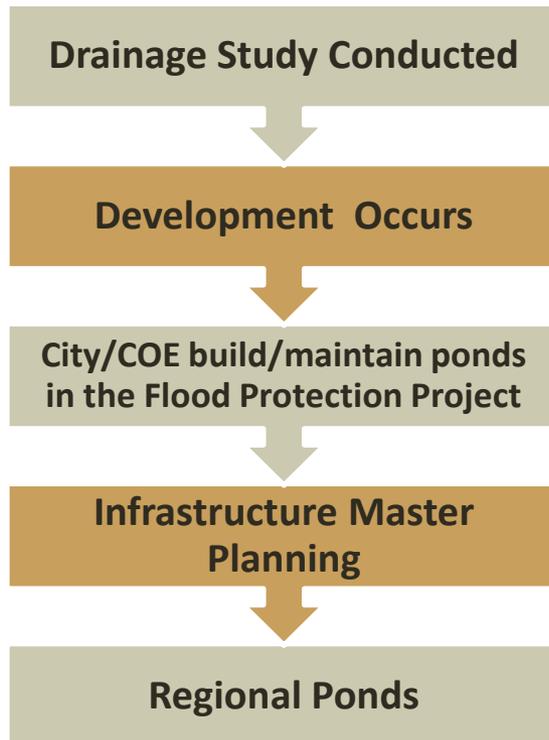


Employee Training

- Employee Training is conducted
- Training is scheduled for all Public Works Departments, Inspectors, Operators, Grand Forks Park District Staff, as well as Emergency Responders



Meeting EPA's and NDDOH Phase II Stormwater Regulations- Regional Ponds



Objectives:

- Public/Private Partnerships
- Appropriate Stormwater Management BMP Design
- More economical/effective than if Stormwater is controlled on a site by site basis

Stormwater Detention Ponds

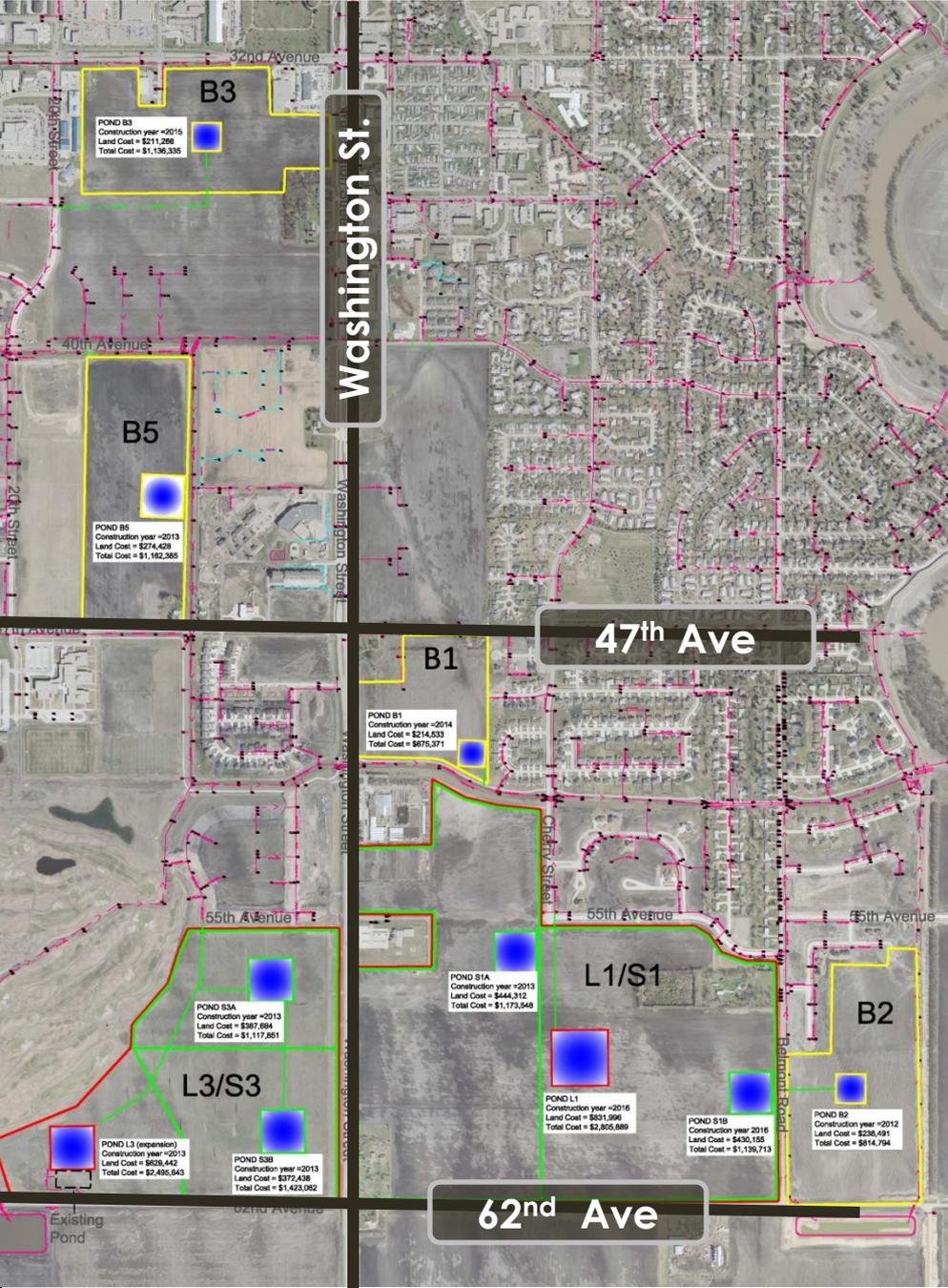


Stormwater Ponds

- Currently maintained by contracts/internal operations
- Developing maintenance standards
- Developing O&M costs through Infrastructure Master Planning
- “Smart Tablet” implementation is essential



Regional Ponds



Changes in Operations

- What is required of the maintenance for the ponds
- Who will perform the maintenance or manage contracts for the maintenance
- Still learning how to maintain these facilities- not all O&M costs have been identified
- Operators could become more involved in the design and inspections of these facilities

Partnerships

- Rain Barrel Workshops were held in 2008
- Partnerships: Grand Forks County Soil Conservation District, NDSU Extension Service, NRCS, City of Grand Forks
- Rain Barrel Kits are now available through GFCSCD
- Information on websites
 - www.grandforksgov.com
 - www.gfscd.org/rain_barrels.htm

